

ABSTRACT

A method and an apparatus for producing various types of microdroplets are provided. The apparatus has a cross intersection portion 7 at which a first continuous phase 2, a first dispersion phase 4, and a second dispersion phase 6 intersect with each other; a first liquid feed device 12 controlling the first dispersion phase 4; a second liquid feed device 13 controlling the second dispersion phase 6; and a control device 11 connected to the first liquid feed device 12 and the second liquid feed device 13, in which the first liquid feed device 12 and the second liquid feed device 13 are controlled by a signal from the control device 11 so that microdroplets 9 formed of the first dispersion phase 4 and microdroplets 10 formed of the second dispersion phase 6 are sequentially produced.